State of Texas Assessments of Academic Readiness (STAAR®)
Performance Level Descriptors
Grade 7 Mathematics

Performance Level Descriptors
The mathematical process skills describe ways in which students are expected to engage in the content. They are not assessed in isolation but are incorporated into questions that assess grade 7 content. The process skills focus on applying mathematics to solve problems, analyze mathematical relationships, and communicate mathematical ideas.

Students achieving Level III: Advanced Academic Performance can

- Use proportional relationships to solve problems involving probabilities of dependent compound events
- Model and solve one-variable, two-step inequalities
- Extend and apply geometry and measurement concepts to solve application problems

Students achieving Level II: Satisfactory Academic Performance can

- Use proportional relationships to solve application problems involving experimental and theoretical probabilities related to simple and independent compound events
- Solve application problems involving addition, subtraction, multiplication, and division of rational numbers
- Solve application problems involving proportional relationships
- Model and solve one-variable, two-step equations
- Use proportional relationships to solve application problems involving similarity
- Solve application problems involving circumference, area, surface area, and volume
- Use statistical representations to compare and analyze data
- Solve problems involving tax, interest, and budgets

Students achieving Level I: Unsatisfactory Academic Performance can

- Find the probability of a simple event
- Calculate unit rates from problem situations
- Solve problems using data represented in graphs